



# Quick Start Guide

## Deluxe 28 (921022 s/n 75000 & up)

- Step 1: Assemble Handlebars
- Step 2: Install Discharge Chute
- Step 3: Install Discharge Chute Crank
- Step 4: Install Remote Deflector Control
- Step 5: Check Function of Dual Handle Interlock
- Step 6: Check Tire Pressure
- Step 7: Adjust Skid Shoes
- Step 8: Check Auger Gearcase Oil
- Step 9: Check Engine Crankcase Oil
- Step 10: Fill Engine Fuel Tank
- Step 11: Start Engine
- Step 12: Stop Engine



READ AND UNDERSTAND ALL INSTRUCTION, WARNING, AND DANGER LABELS.  
**IMPORTANT:** READ OPERATOR'S MANUAL AND ENGINE MANUAL  
THOROUGHLY AND FOLLOW THE IMPORTANT SAFE OPERATION PRACTICES  
BEFORE OPERATING.

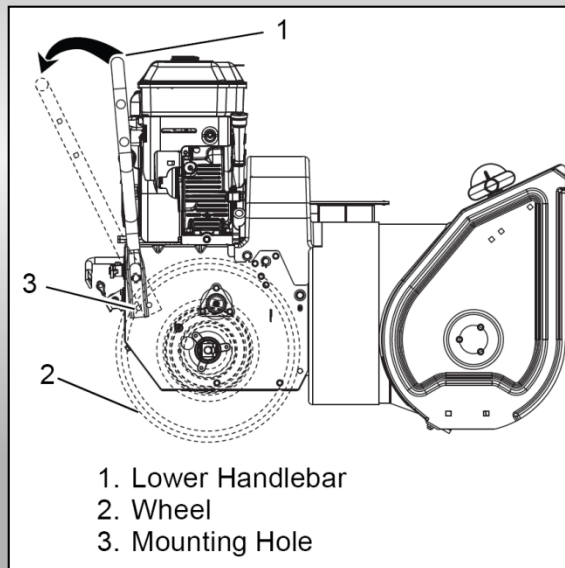


# Step One: Assemble Handlebars

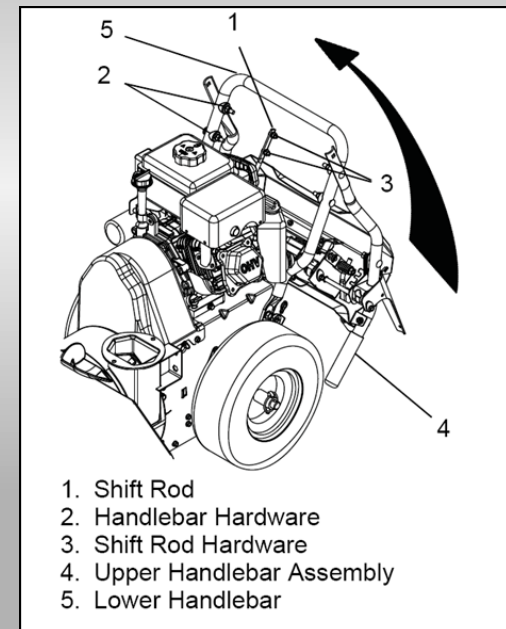
**NOTE:** The Ariens company has made changes to packaging that affects this serial number range.

**If the upper handlebars on your unit came already attached please disregard the following six slides.**

Not attached



Attached



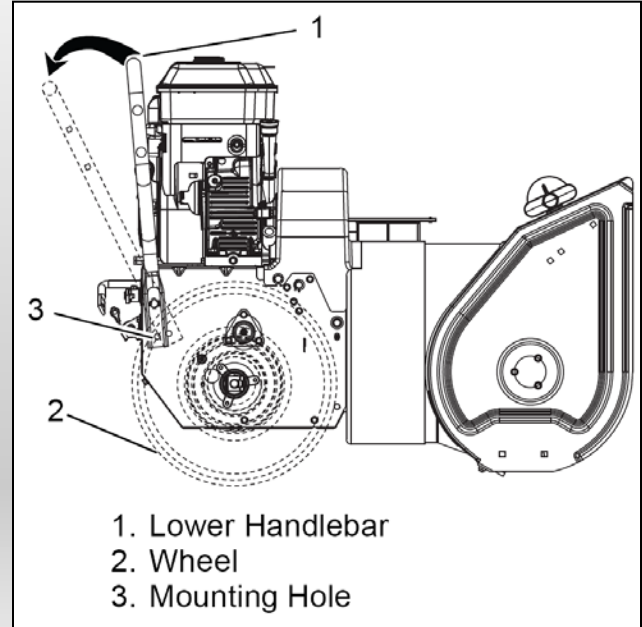


## Step One: Assemble Handlebars (Unfold Lower Handlebar)

**NOTE: This slide applies to  
UNATTACHED handlebars ONLY**

**IMPORTANT:** Be sure to block wheels or secure unit so it does not move during assembly.

1. Rotate lower handlebar out from unit so lower handlebar mounting holes align with mounting holes on the unit frame.
2. Secure lower handlebar to unit using two 3/8 in x 3/4 in. hex head serrated flange grade 5 bolts.
3. Tighten all four bolts to 25-42 lbf-ft (33,9-56,9 N·m)



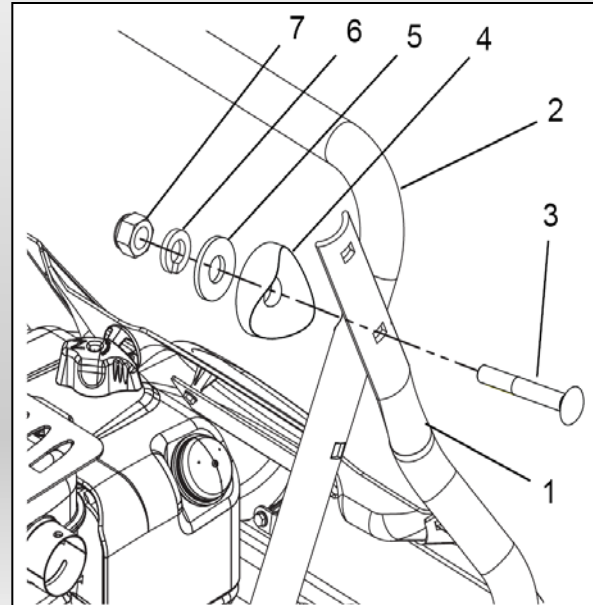


## Step One: Assemble Handlebars (Attach Upper Handlebar Assembly)

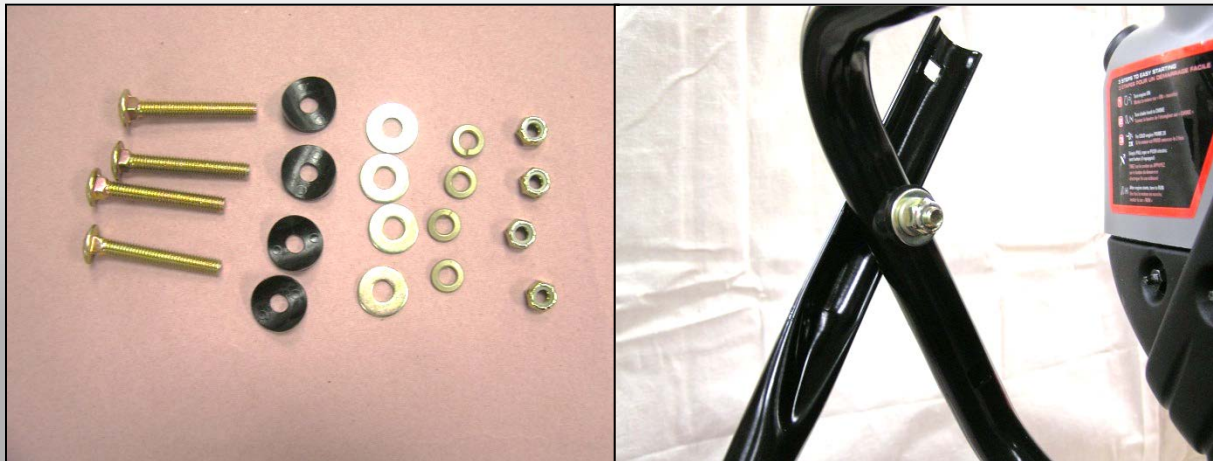
**NOTE: This slide applies to  
UNATTACHED handlebars ONLY**

1. Attach upper handlebar assembly to lower handlebar using two sets of the handlebar hardware. One set to attach each side of the handlebars.

**NOTE:** DO NOT tighten hardware. Allow upper handlebar assembly to hang from the lower handlebars for the next step.



1. Upper Handlebar Assembly
2. Lower Handlebar
3. 5/16 in x 2-1/4 in. Round Head Square Neck Grade 5 Bolt
4. Handlebar Spacer
5. Flat Steel Washer
6. Locking Washer
7. 5/16 in Nyloc Nut





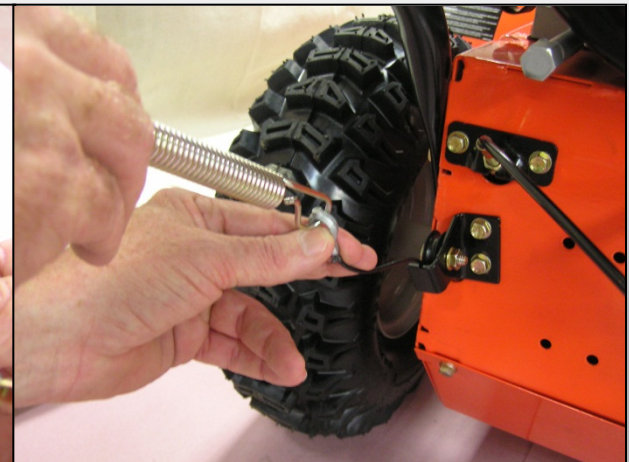
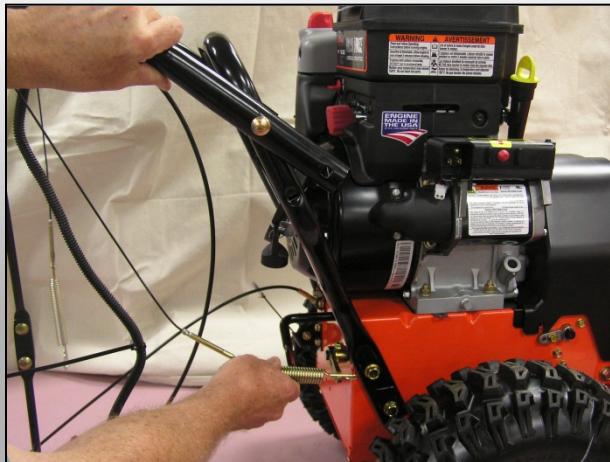
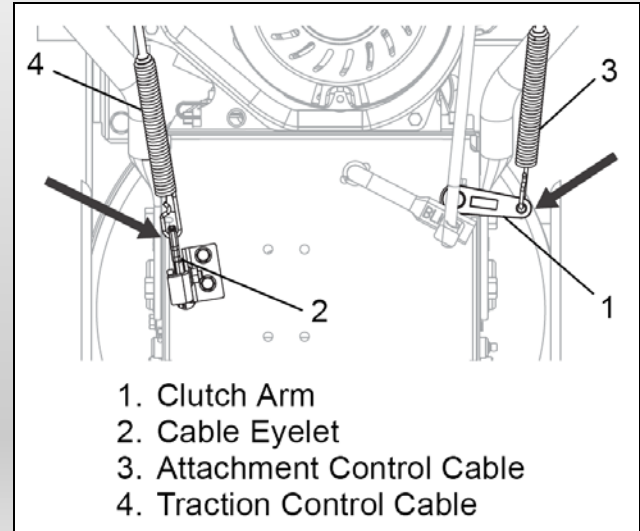


## Step One: Assemble Handlebars (Attach Control Cables)

**NOTE: This slide applies to  
UNATTACHED handlebars ONLY**

1. Hook Spring end of attachment control cable to the clutch arm.
2. Hook spring end of the traction control cable to the cable eyelet on back of frame.

**NOTE:** Make sure the cable remains in the groove of the pulley.





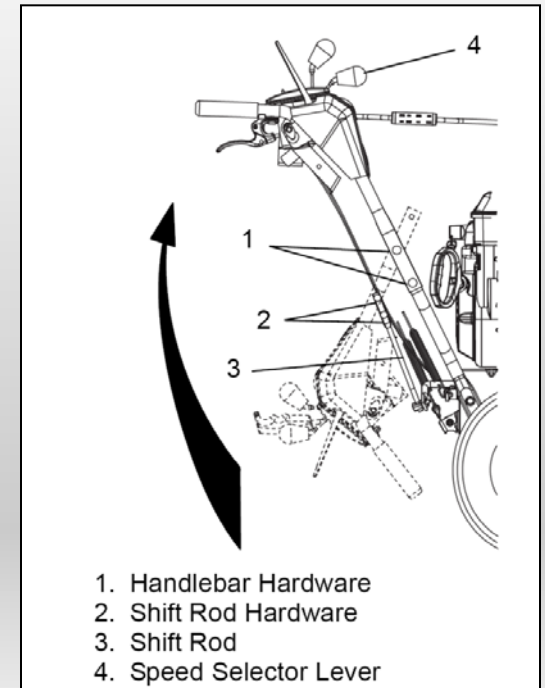
# Step One: Assemble Handlebars (Unfold Upper Handlebar)

1. Rotate handlebar into operating position.

**NOTE:** Be careful not to damage cable spring hooks when rotating handlebar upward.

2. Install the remaining handlebar hardware attaching the upper handlebar assembly to the lower handlebar.
3. Tighten all hardware.
4. Remove packaging around shift rod.
5. Rotate shift rod into place and tighten hardware.
6. Connect shift rod to speed selector arm and adjust as specified. See *Selector Adjustment* in the Owners Manual.
7. Adjust attachment cable as specified. See *Attachment Clutch/Brake Adjustment* in the Owners Manual.
8. Adjust the traction cable as specified. See *Traction Drive Clutch Adjustment* in the Owners Manual.

**NOTE: This slide applies to UNATTACHED handlebars ONLY**





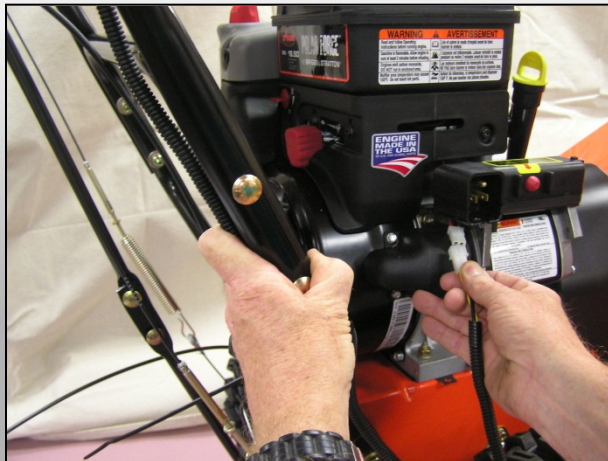
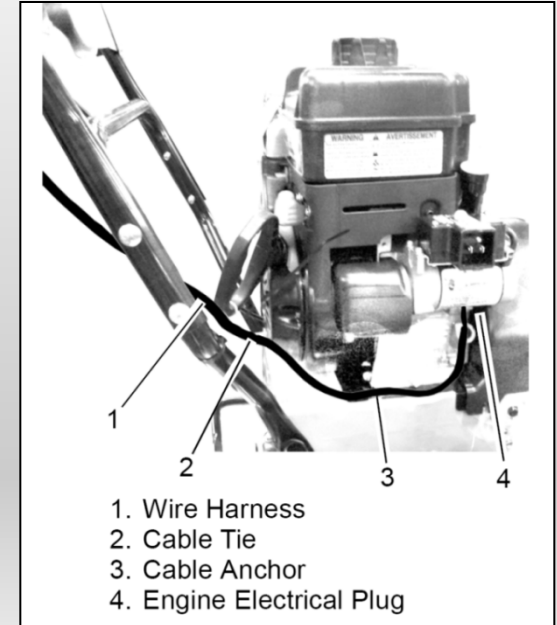


## Step One: Assemble Handlebars (Connect Headlight Wire Harness)

**NOTE: This slide applies to  
UNATTACHED handlebars ONLY**

**NOTE:** The headlight wire harness comes attached to the upper handlebar assembly.

1. Route the wire harness along the interior of the right side handlebar.
2. Connect to the engine electrical plug.
3. Press cable anchor into mounting hole in the frame near the engine electrical plug.
4. Secure the wire harness to the handlebars using the cable ties attached to the wire harness.



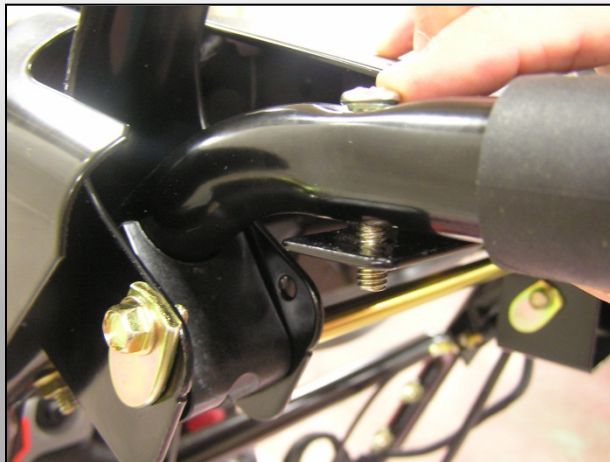
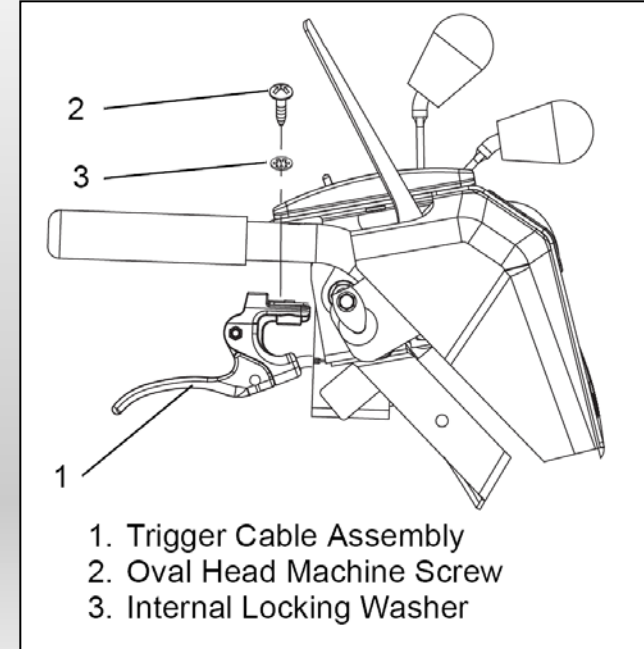


## Step One: Assemble Handlebars (Install Trigger Cable)

**NOTE: This slide applies to  
UNATTACHED handlebars ONLY**

**NOTE:** Trigger cable assembly comes attached to the Sno-thro unit.

1. Attach remote trigger cable assembly to upper handlebar assembly using one ¼ in x 1- ½ oval head machine screw and one ¼ in. locking washer.







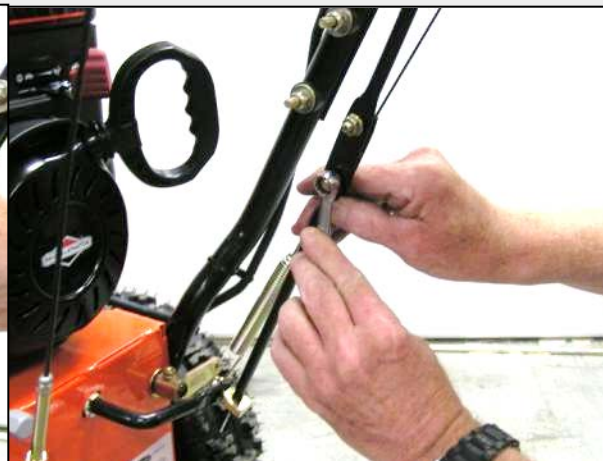
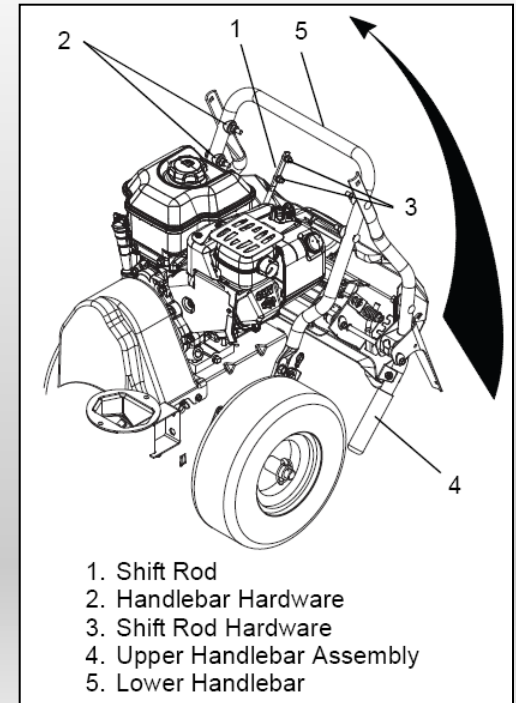
## Step One: Assemble Handlebar

1. Remove the lower and loosen the upper hardware on the handlebar assembly.
2. Loosen the hardware on the shift rod.
3. Put the speed selector lever in the sixth forward position.
4. Rotate the handlebar into operating position.

**NOTE:** Be careful not to damage cable spring hooks when rotating handlebar upward.

5. Install and tighten the hardware on the handlebar assembly and shift rod.

**NOTE: This slide applies to  
ATTACHED handlebars ONLY**

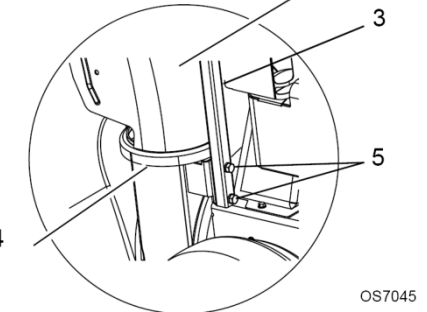
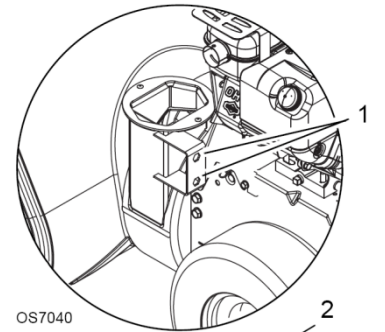




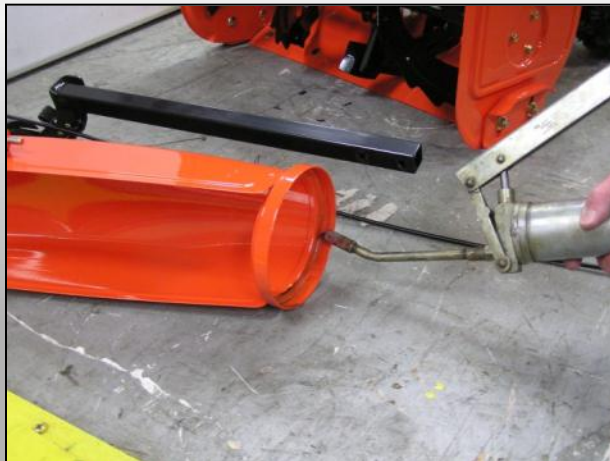
## Step Two: Install Discharge Chute

1. Grease underside of discharge chute ring (if not already greased).
2. Remove mounting hardware from auger housing.
3. Install discharge chute over opening in the auger housing. Finger tighten the mounting hardware removed above.

**NOTE:** Leave discharge chute pedestal loose to help install the chute crank.



1. Mounting Holes
2. Discharge Chute
3. Chute Pedestal
4. Discharge Chute Ring
5. Mounting Hardware





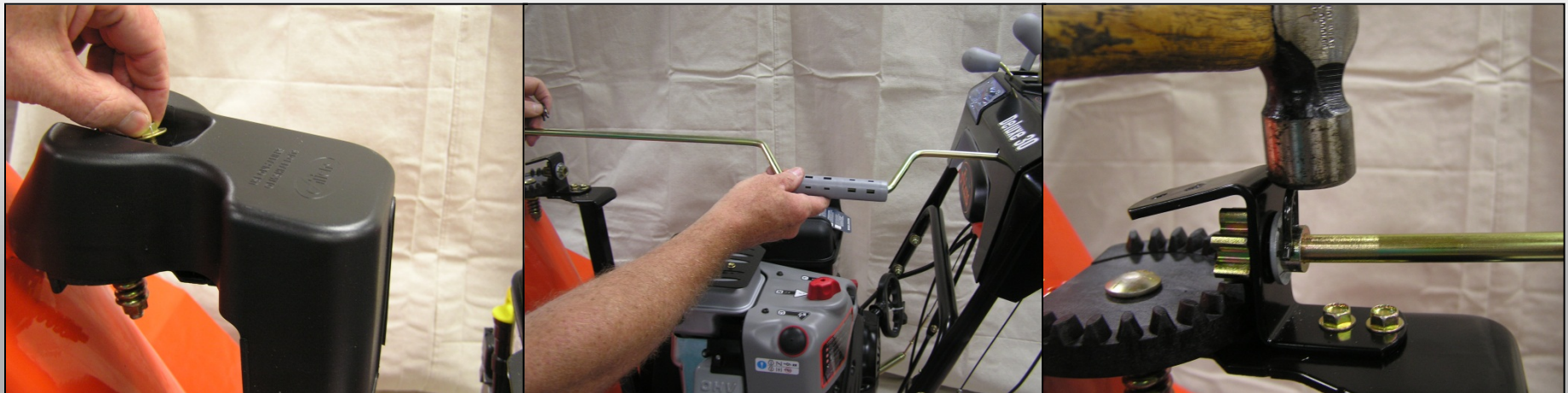
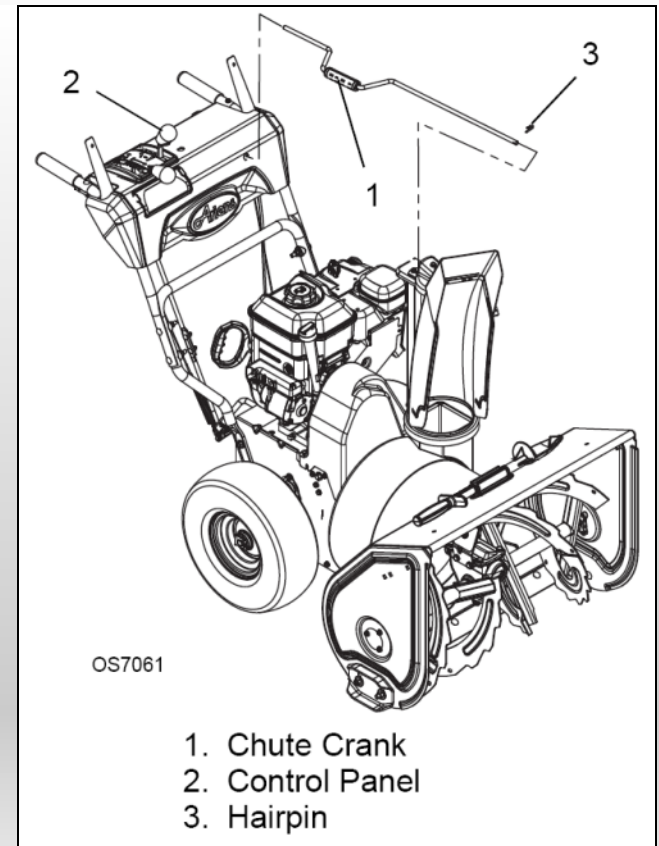


## Step Three: Install Discharge Chute Crank

1. Remove the gear cover from top of chute pedestal.
2. Insert the short end of the chute crank into the hole in the front of the control panel.

**NOTE:** Be careful not to damage nylon bushing when attaching crank to the dash.

3. Connect the chute crank to the pinion gear on chute with hairpin.
4. Replace gear cover on top of chute pedestal.
5. Orient the chute and pedestal to its most vertical position and tighten pedestal hardware to 15 – 31 lbf-ft (20 – 42 N•m).

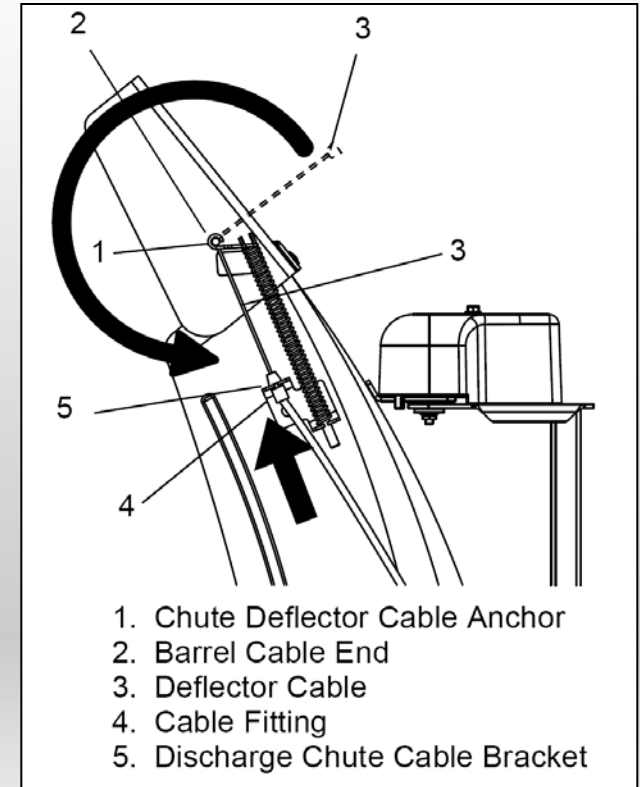






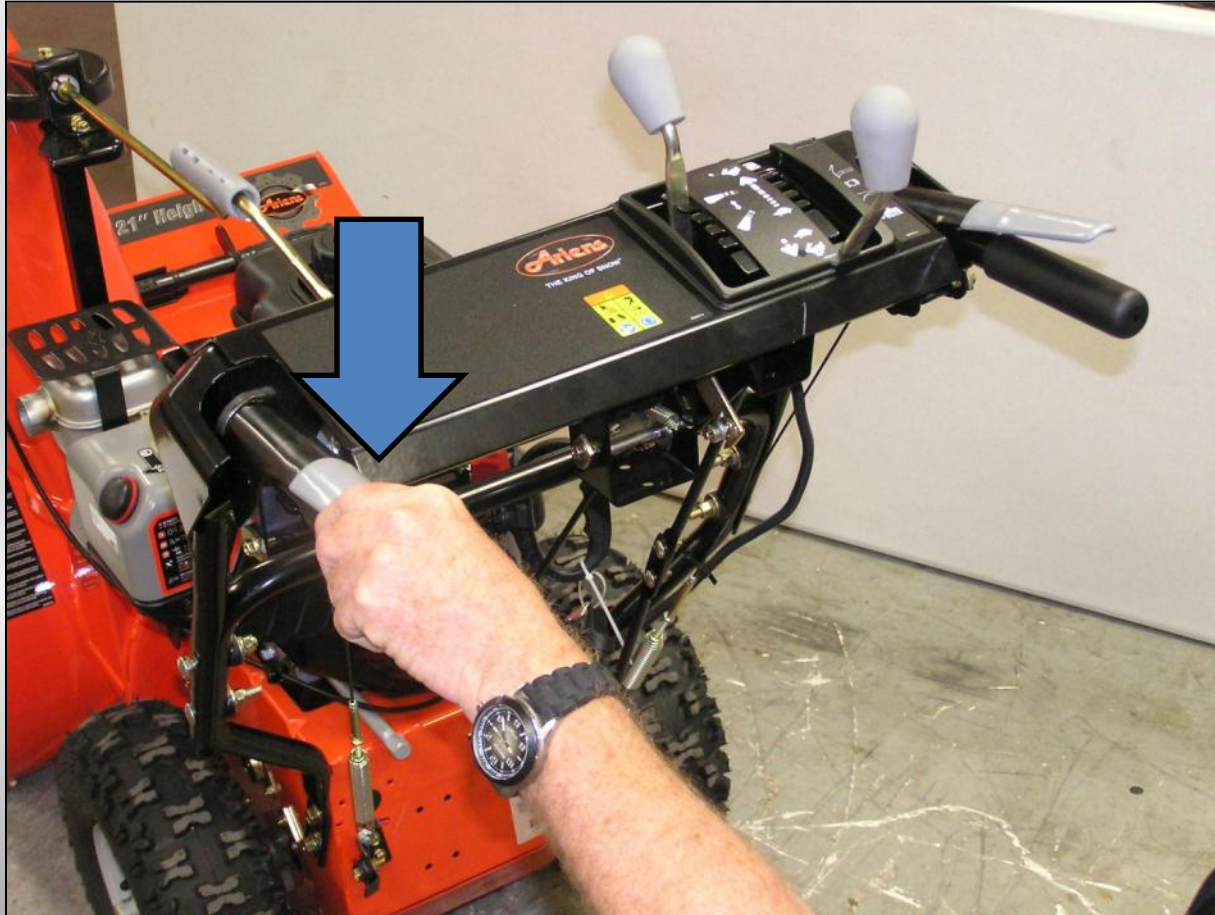
## Step Four: Install Remote Deflector Control Cable

1. Connect the barrel cable end to the chute deflector cable anchor before clipping the cable to the discharge chute cable bracket.
2. Route deflector remote cable along the left side of the chute pedestal.
3. Insert the barrel on the cable end into the bracket on left side of chute deflector.
4. Hold seal out of the way while routing the cable through the bracket on the left side of the discharge chute, and then push the cable fitting into the bracket.
5. Push the seal securely over the end on the cable fitting to prevent water from entering the cable.
6. Check deflector travel. Adjust nut on cable end under handlebar to obtain full travel, if necessary see *Remote Deflector Control* in Owners Manual.





## Step Five: Check Function of Dual Handle Interlock



Without the engine running, press down (engage) both clutch levers. Release attachment clutch lever. Attachment clutch should remain engaged until traction clutch lever is released, then both clutches *must* disengage. If they do not, contact your dealer for repairs.



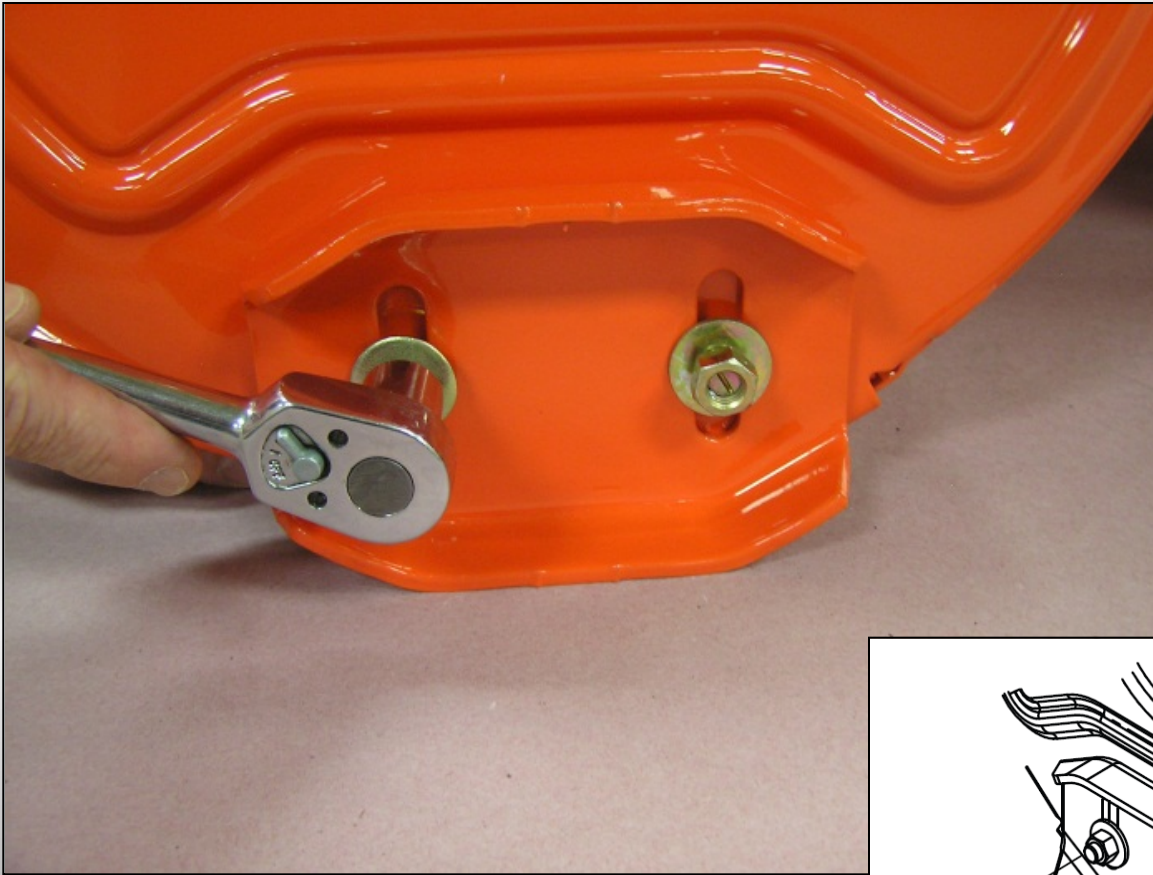
## Step Six: Check Tire Pressure



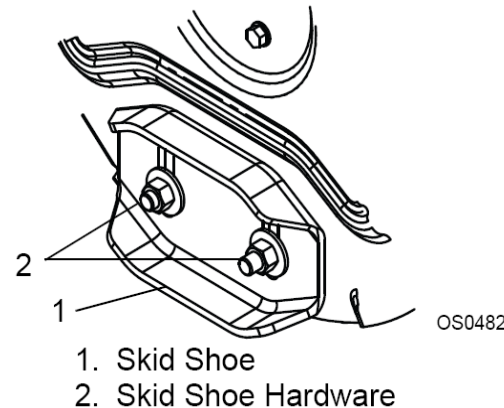
Check tire pressure and adjust to the pressure listed on tire sidewall.



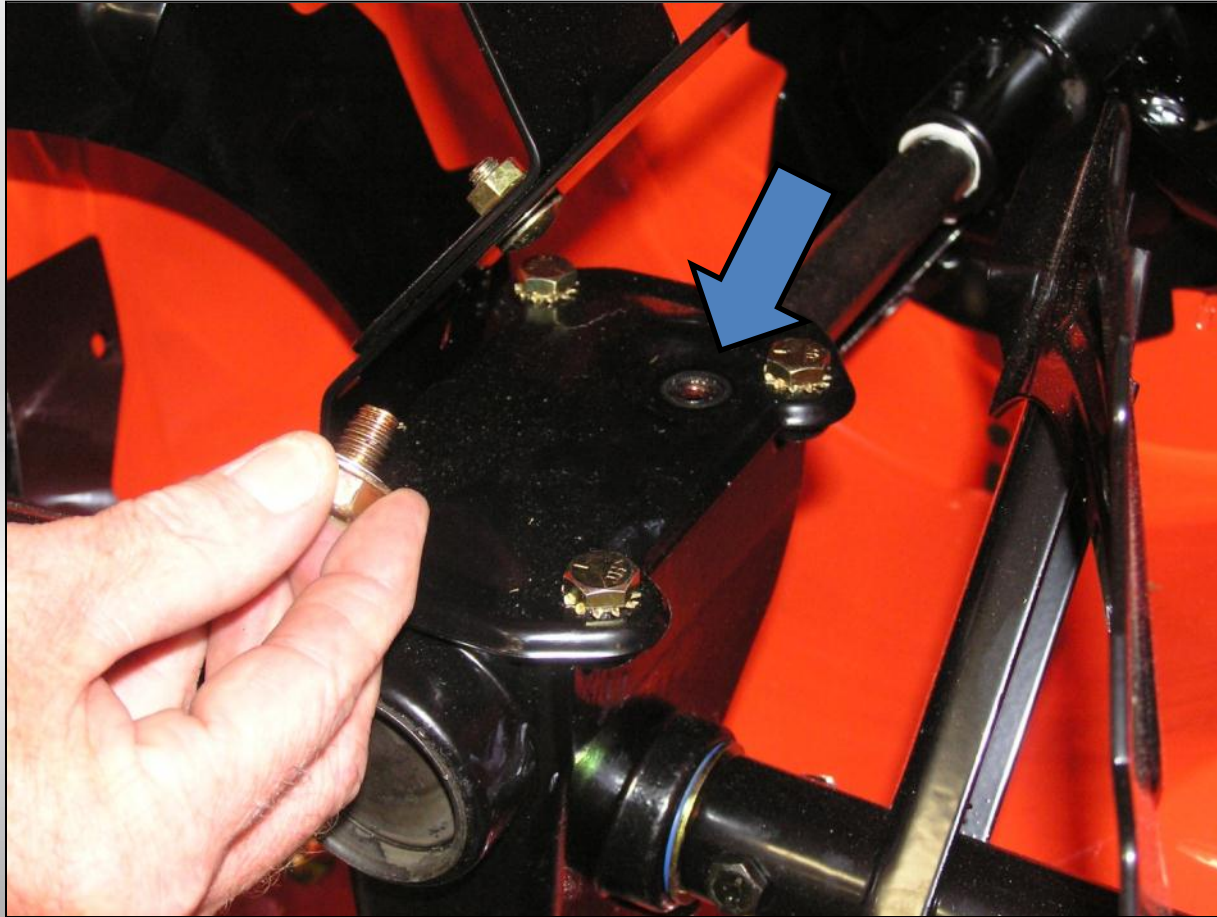
## Step Seven: Adjust Skid Shoes



**IMPORTANT:** Skid shoes should be adjusted as conditions require. Allow 1/8 in. (3mm) between scraper blade and hard smooth surfaces. Allow 7/8 in (22 mm) between scraper blade and uneven or gravel surfaces. (See Skid Shoes in Owners Manual).



## Step Eight: Check Auger Gearcase Oil



Check oil level in auger gearcase (see *Check Auger Gearcase* in Owners Manual).

## Step Nine: Check Engine Crankcase Oil

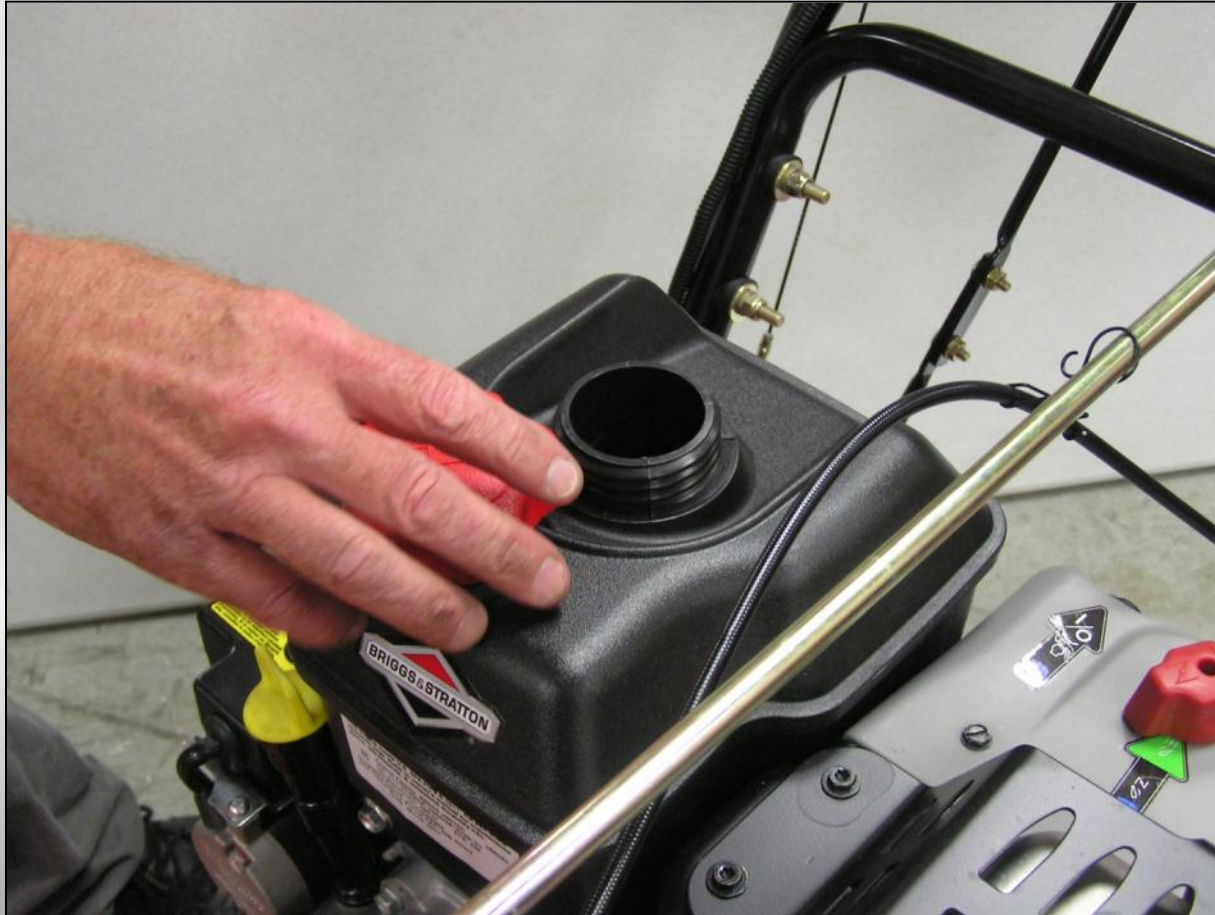


**IMPORTANT:** The engine is shipped with oil in crankcase. Refer to Engine Manual for detailed instructions.





## Step Ten: Fill Engine Fuel Tank



Fill fuel tank. DO NOT OVERFILL! See *FILLING FUEL TANK* in Owners Manual.

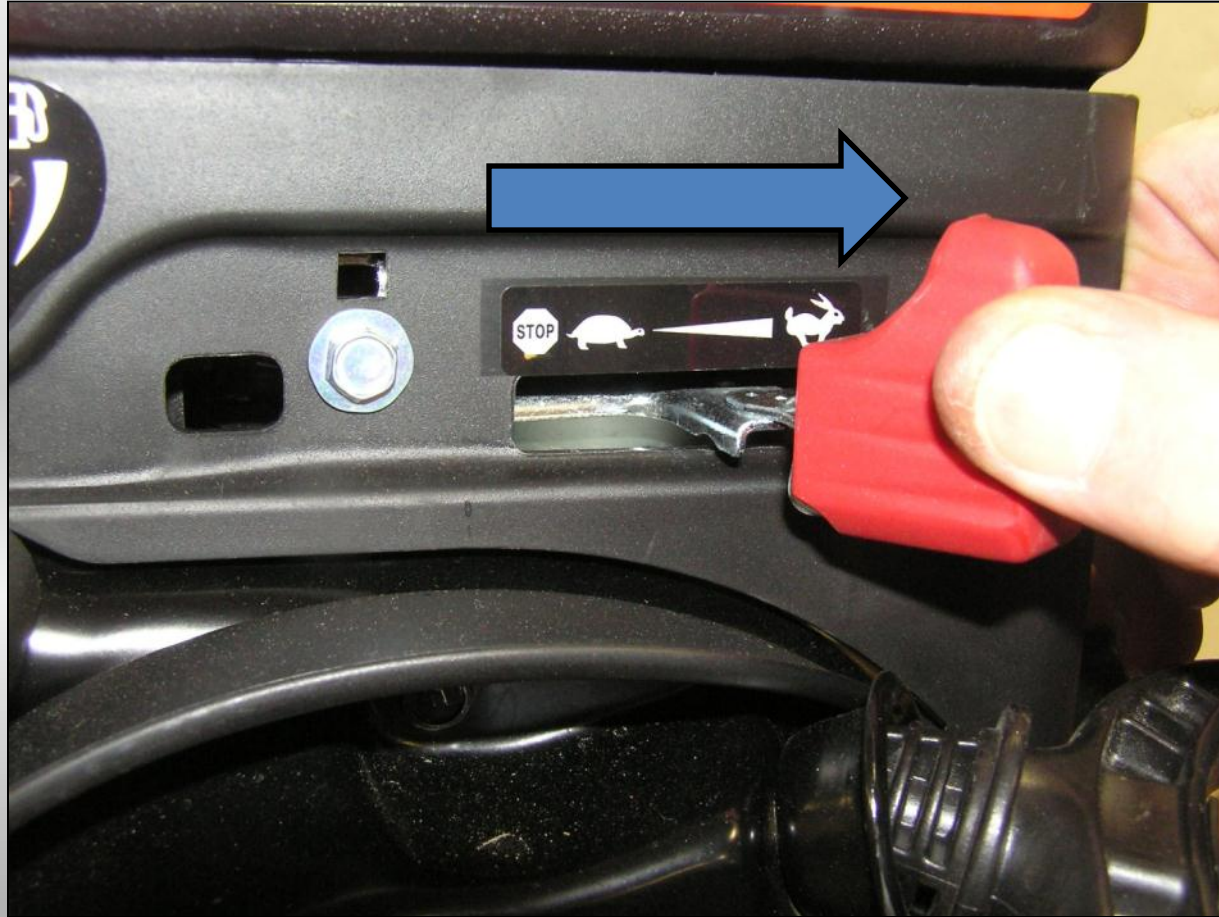
Remove the plug from the fuel tank and install the fuel cap located in the attached bag.



# Step Eleven: Starting the Engine



## Starting Engine / Step A: Throttle

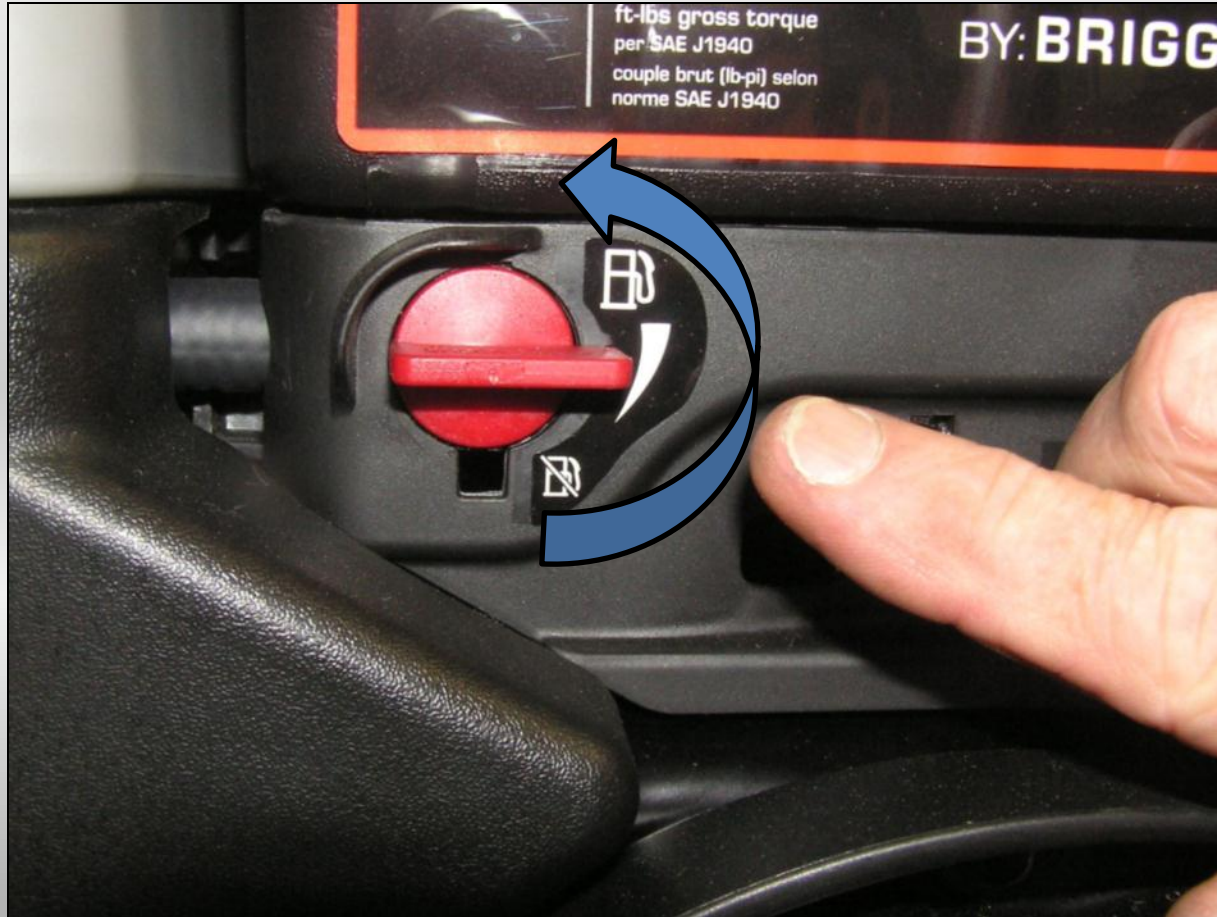


Move the throttle control lever to the fast position.

Operate the engine with the throttle control lever in the fast position.



## Starting Engine / Step B: Fuel Valve



Turn the fuel shut-off valve to the ON position.



## Starting Engine / Step C: Key



Insert the key and  
turn to the  
ON/START  
position.



## Starting Engine / Step D: Choke



Turn the choke control knob to the choke position.

**NOTE:** Choke is usually unnecessary when restarting a warm engine.



## Starting Engine / Step E: Prime

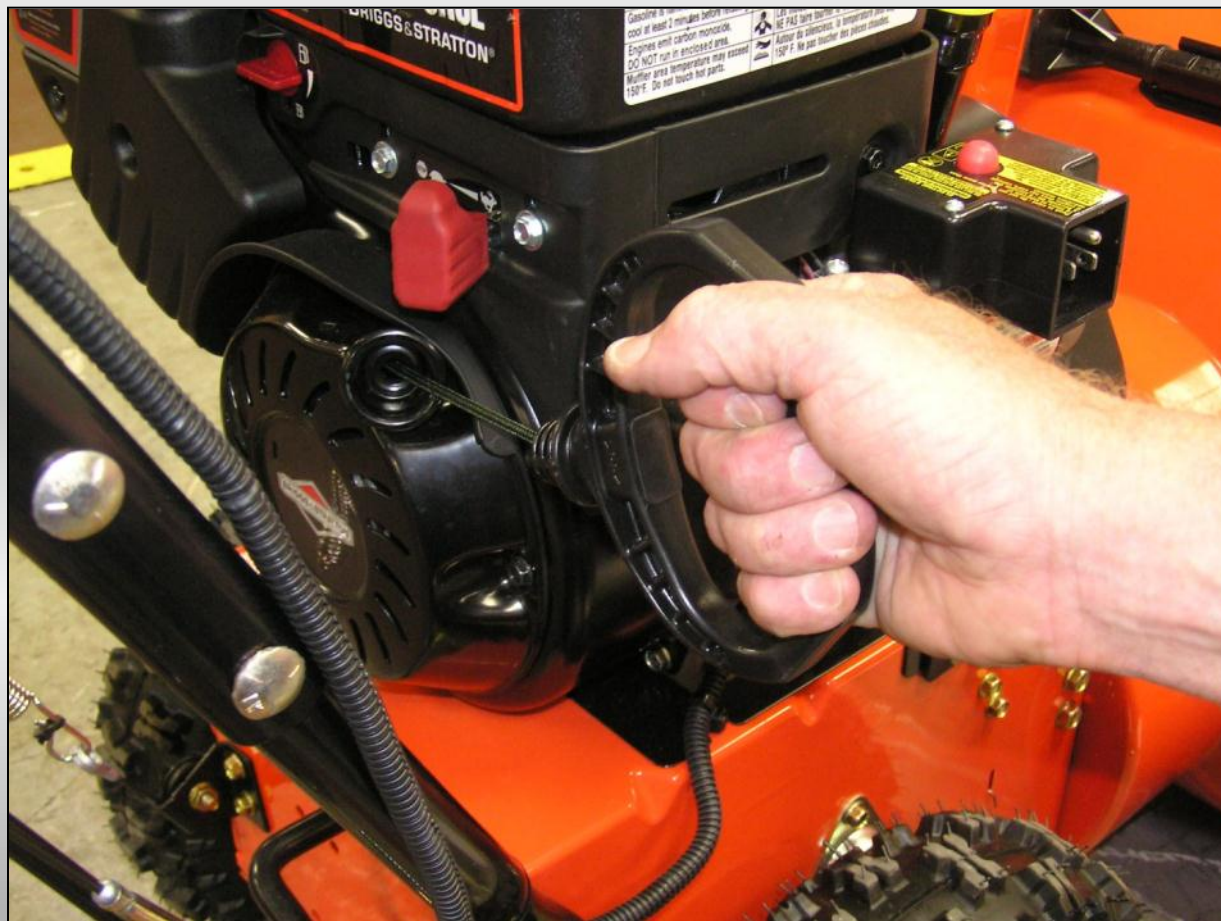


Push the primer two times. Be sure to cover vent hole on primer bulb.

**NOTE:** Priming is usually unnecessary when restarting a warm engine.



## Starting Engine / Step F: (Manual Start)



Firmly hold the starter cord handle. Pull the starter cord handle slowly until resistance is felt, then pull rapidly.

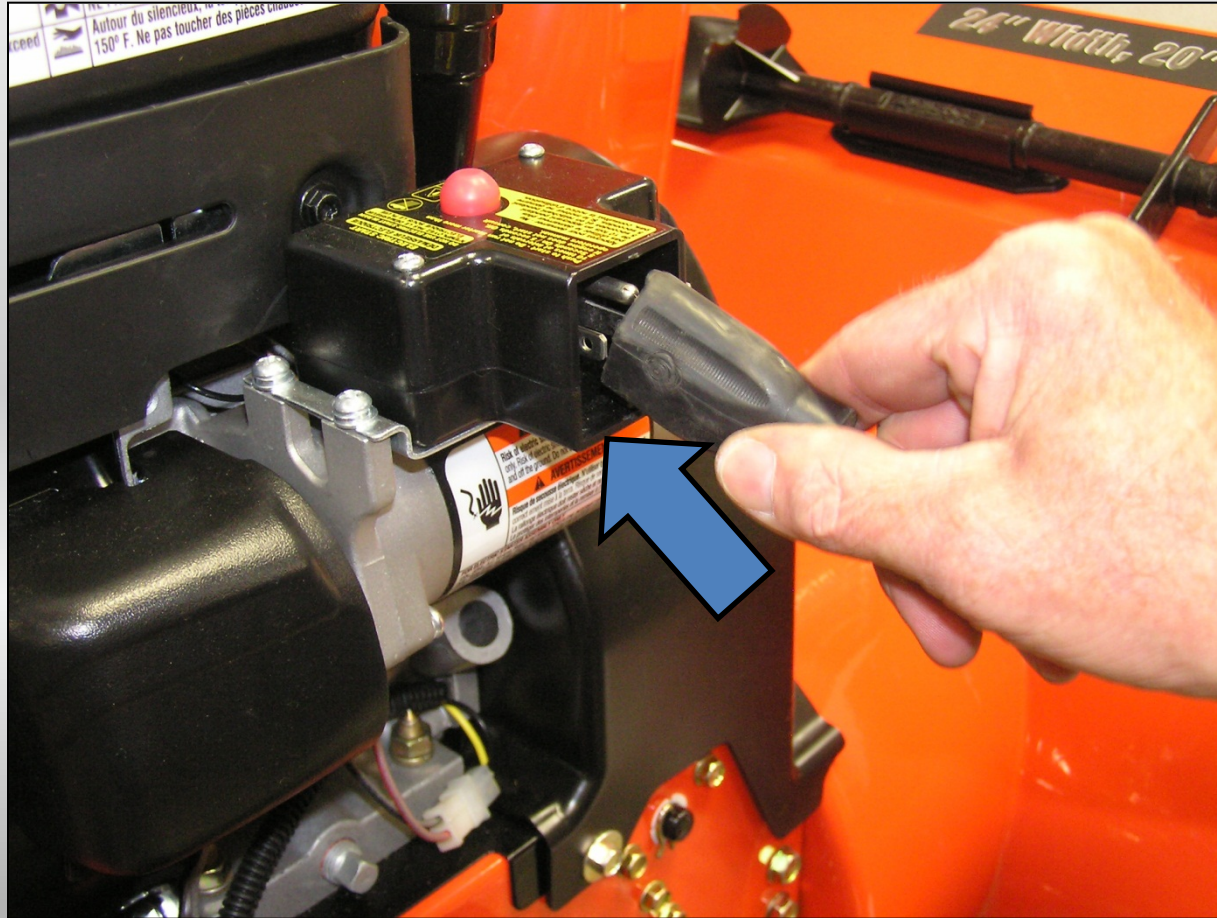
**NOTE:** If the engine does not start after repeated attempts, go to

**BRIGGSandSTRATTON.COM**  
or **call 1-800-233-3723.**





## Starting Engine / Step F: (Electric Start)

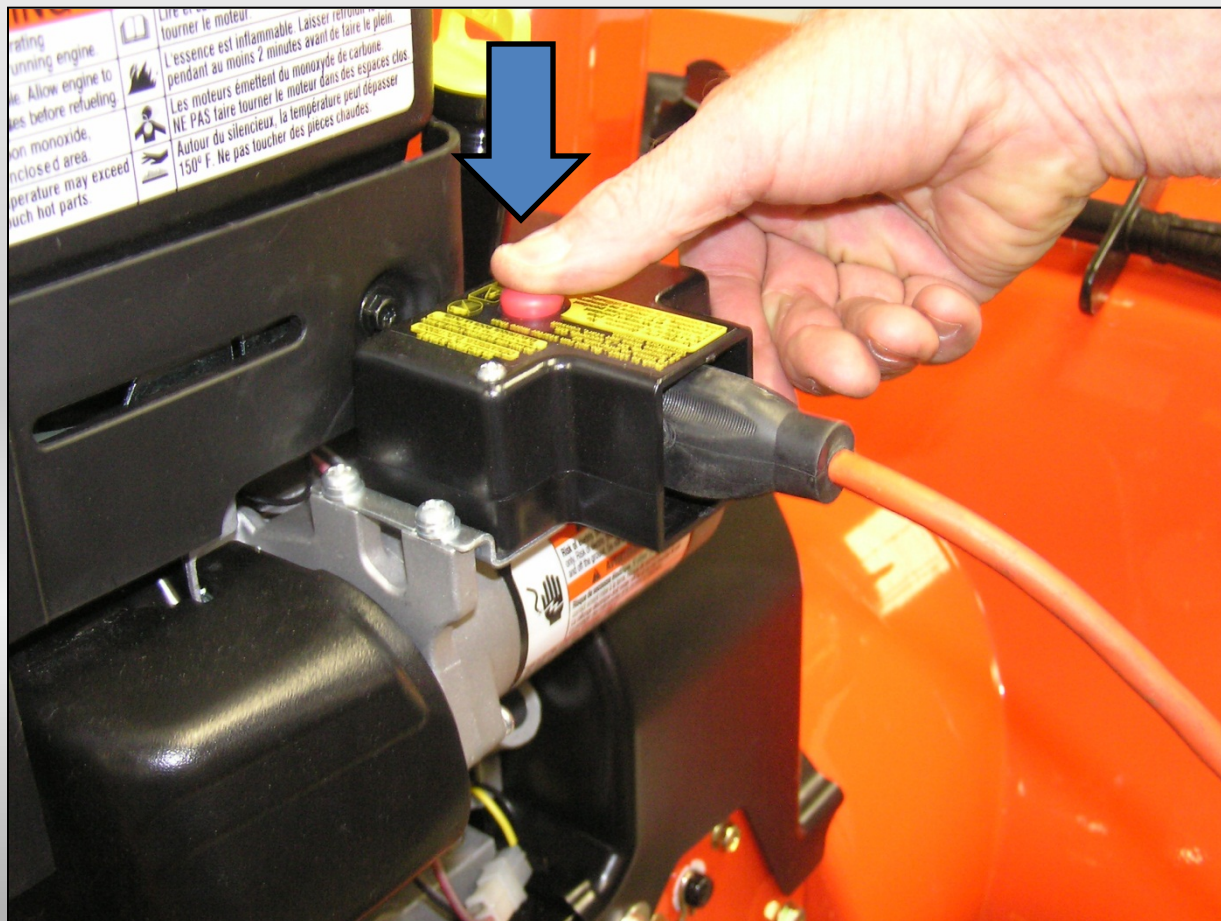


First connect the extension cord to the power cord receptacle and then into a wall receptacle. If an additional extension cord is required, make sure it is a 3-wire grounded extension cord.





## Starting Engine / Step G: (Electric Start)



Depress the push button. After you start the engine, first disconnect the extension cord from the wall receptacle and then from the power cord receptacle.



## Starting Engine / Step H: Warm up



Allow the engine to warm up for several minutes. Then, slowly move the choke control knob to the run position.

## Step Twelve: Stopping the Engine



Turn the key to the off position or move throttle control lever to slow and then to the stop position (completely left). Remove the key. Keep away from reach of children. After engine stops, turn the fuel shut-off valve to the closed (vertical) position.





# Additional Resources

- Refer to Owners Manual and Engine Manual
- Contact Ariens Company
- For issues concerning engine, please contact Briggs and Stratton

[www.ariens.com](http://www.ariens.com)

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[www.BRIGGSandSTRATTON.com](http://www.BRIGGSandSTRATTON.com)

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